

Title (en)
DRONE FOR TRIGGERING UNDERWATER MINES

Title (de)
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Title (fr)
DRONE POUR LE DECLENCHEMENT DE MINES SOUS-MARINES

Publication
EP 3405387 B1 20200401 (DE)

Application
EP 17703708 A 20170201

Priority
• DE 102016203341 A 20160301
• EP 2017052154 W 20170201

Abstract (en)
[origin: WO2017148642A1] A drone for triggering sea mines by means of an external magnetic field (Bext) is specified, - wherein the drone (1) comprises a drive with an electric motor (3) for propagating in water, - wherein the electric motor (3) comprises a stator (11) and a rotor (9) that is rotatably mounted on a rotor shaft (7), - wherein the stator (11) has at least one stator winding (17) which is arranged on a first carrier (19), - wherein the rotor (9) has at least one magnetic or electromagnetic element (15a, 15b, 15c) which can electromagnetically interact with the at least one stator winding (17) in such a way that, during operation of the electric motor (3), a superordinate magnetic field (B) is formed - and wherein the electric motor (3) is configured in such a way that, during the operation thereof, the external magnetic field (Bext) that is formed outside of the electric motor (3) has, in at least a portion thereof, a magnetic flux density of at least 0.5 mT at said location.

IPC 8 full level
H02K 99/00 (2014.01); **H02K 7/14** (2006.01); **H02K 55/00** (2006.01); **B63G 7/00** (2006.01); **H02K 11/00** (2016.01); **H02K 11/01** (2016.01)

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